

### Instructions:

- Each student should submit the exercise individually.
- Each student should demonstrate or present the task on or before the deadline mentioned above.
- Students must submit the assignment through Moodle on or before the given deadline.
- Submit your exercises in one master zip folder. Submit your folder name with the following naming convention:
  - <firstname>\_<rollnumber>\_Lab1.zip (ex.- xyz\_201CS101\_Lab1.zip).
  - Each program should be attached with a screenshot of its respective output. Give the name of the file as 201CS101\_P1.c and output screenshot as 201CS101\_P1.png. Same is followed for P2, P3 so on.
- The program should be written with neatness, Indentation and comments wherever required.
- If you fail to upload the assignments in the given time it will consider as a no submission. No extension will be given for any reason.
- Plagiarism of the source code will punishable.

### Problem

Q1. Write a program to swap two numbers without using third variables.

**Input : a=10, b=20**

**Output : a=20, b= 10**

Q2. Write a program to read a character, and print its decimal, octal and hexadecimal equivalent.

**Input: A**

**Output: Decimal value: 65, octal value: 101 hexadecimal: 41**

Q3. Write a program to find the third angle of a triangle if two angles are given.

**Input: A= 50, B = 70**

**Output: third angle C = 60**

Q4. Write a program to read two integers a and b and calculate  $(a-b)^2$  with pow() function and without pow() function